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THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the International Commission

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IMPERIAL BUREAU
OF
AGRICULTURAL PARASITOLOGY
(HELMINTHOLOGY.)

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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REPORT BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE FOR THE YEAR 1943.

I. Introductory.

THE International Commission on Zoological Nomenclature have pleasure in presenting for the information of all concerned their report on the work carried out in 1943. In the Financial Report [1] for the period ended 31st December, 1942, the Secretary to the Commission drew attention to the difficulties which had confronted the Commission both in the period immediately preceding the outbreak of war in Europe in 1939 and in the ensuing period when it was found necessary temporarily to suspend the work of the Commission. At the same time, however, the Secretary reported that it had been found possible to re-open the Secretariat in the summer of 1942 and that a start had been made in clearing off outstanding arrears of work.

2. The work started in the year 1942 was continued in 1943, which was one of great activity in every direction possible for so long as circumstances render impracticable free communication between the Secretary and all members of the Commission.

II. *Opinions* rendered by the International Commission.

3. As explained in the previous Report, by the end of 1942 only five of the decisions taken by the International Commission at their Session held at Lisbon had been rendered as *Opinions* of the Commission (*Opinions* 134–138). The titles of these *Opinions* are as follows :—

OPINION 134. On the method to be adopted in interpreting the generic names assigned by Freyer to the species described in his *Neuere Beiträge zur Schmetterlingskunde*, 1833–1858.

OPINION 135. The suppression of the so-called " Erlangen List " of 1801.

OPINION 136. *Opinion* supplementary to *Opinion* 11 on the interpretation of Latreille's *Considérations générales sur l'ordre naturel des animaux composant les classes des Crustacés, des Arachnides et des Insectes avec un tableau méthodique de leurs genres disposés en familles*, Paris, 1810.

OPINION 137. On the relative precedence to be accorded to certain generic names published in 1807 by Fabricius and Hübner respectively for identical genera in the Lepidoptera Rhopalocera.

OPINION 138. On the method by which the amendment to Article 25 of the International Code adopted at the Budapest Meeting of the International Zoological Congress, relating to the replacement of invalid names, should be interpreted.

4. In the year under review *Opinions* have been rendered in respect of all the remaining decisions, forty-one in number, taken by the International Commission at their Lisbon Session. The following are the titles of the *Opinions* so rendered :—

OPINION 139. The names *Cephus* Latreille, [1802–1803], and *Astata* Latreille, 1796, in the Hymenoptera added to the *Official List of Generic Names*.

OPINION 140. On the method of forming the family names for *Merops* Linnaeus, 1758 (Aves) and for *Merope* Newman, 1838 (Insecta).

[1] See 1943, *Bull. zool. Nomencl.* **1** : xxvii–xxxi.

Opinion 141. On the principles to be observed in interpreting Article 4 of the International Code relating to the naming of families and subfamilies.

Opinion 142. Suspension of the rules for *Satyrus* Latreille, 1810 (Insecta, Lepidoptera).

Opinion 143. On the method of forming the family name for *Tingis* Fabricius, 1803 (Insecta, Hemiptera).

Opinion 144. On the status of the names *Crabro* Geoffroy, 1762, *Crabro* Fabricius, 1775, and *Cimbex* Olivier, 1790 (Insecta, Hymenoptera).

Opinion 145. On the status of names first published in works rejected for nomenclatorial purposes and subsequently published in other works.

Opinion 146. Suspension of the rules for *Colias* Fabricius, 1807 (Insecta, Lepidoptera).

Opinion 147. On the principles to be observed in interpreting Article 34 of the International Code in relation to the rejection, as homonyms, of generic and subgeneric names of the same origin and meaning as names previously published.

Opinion 148. On the principles to be observed in interpreting Articles 25 and 34 of the International Code in relation to the availability of generic names proposed as emendations of, or as substitutes for, earlier generic names of the same origin and meaning.

Opinion 149. Twenty-one names in the Orthoptera (Insecta) added to the *Official List of Generic Names in Zoology*.

Opinion 150. On the dates of publication of the several portions of Hübner (J.), *Verzeichniss bekannter Schmettlinge* [sic], 1816–[1826].

Opinion 151. On the status of the names *Lasius* Panzer, [1801–1802], *Podalirius* Latreille, 1802, *Lasius* Fabricius, [1804–1805], and *Anthophora* Latreille, 1803 (Class Insecta, Order Hymenoptera).

Opinion 152. On the status of the generic names in the Order Diptera (Class Insecta) first published in 1800 by J. W. Meigen in his *Nouvelle Classification des Mouches à deux ailes*.

Opinion 153. On the status of the names *Bethylus* Latreille, [1802–1803], and *Dryinus* Latreille, [1804] (Class Insecta, Order Hymenoptera).

Opinion 154. On the status of the names *Phaneroptera* Serville, 1831, and *Tylopsis* Fieber, 1853 (Class Insecta, Order Orthoptera).

Opinion 155. On the status of the names *Callimome* Spinola, 1811, *Misocampe* Latreille, 1818, and *Torymus* Dalman, 1820 (Class Insecta, Order Hymenoptera).

Opinion 156. Suspension of the rules for *Vanessa* Fabricius, 1807 (Class Insecta, Order Lepidoptera).

Opinion 157. Three names in the Order Hymenoptera (Class Insecta) added to the *Official List of Generic Names in Zoology*.

Opinion 158. On the status of the name *Locusta* Linnaeus, 1758 (Class Insecta, Order Orthoptera).

Opinion 159. On the status of the names *Ephialtes* Schrank, 1802, *Ichneumon* Linnaeus, 1758, *Pimpla* Fabricius, [1804–1805], and *Ephialtes* Gravenhorst, 1829 (Class Insecta, Order Hymenoptera).

Opinion 160. On the status of the names *Anguina* Scopoli, 1777, *Anguillulina* Gervais and Beneden, 1859, and *Tylenchus* Bastian, 1865 (Class Nematoda).

Opinion 161. Suspension of the rules for *Argynnis* Fabricius, 1807 (Class Insecta, Order Lepidoptera).

Opinion 162. Suspension of the rules for *Bracon* Fabricius, [1804–1805] (Class Insecta, Order Hymenoptera).

Opinion 163. Suspension of the rules for *Euploea* Fabricius, 1807 (Class Insecta, Order Lepidoptera).

Opinion 164. On the principles to be observed in interpreting Article 30 of the International Code in relation to the types of genera when two or more genera are united on taxonomic grounds.

Opinion 165. Need for the suspension of the rules for *Strymon* Hübner, 1818 (Class Insecta, Order Lepidoptera) not established.

Opinion 166. On the status of the names *Pompilus* Fabricius, 1798, and *Psammochares* Latreille, 1796 (Class Insecta, Order Hymenoptera) and *Pompilus* Schneider, 1784 (Class Cephalopoda, Order Nautiloidea).

Opinion 167. Suspension of the rules for *Euthalia* Hübner, [1819] (Class Insecta, Order Lepidoptera).

Opinion 168. On the principles to be observed in interpreting Article 25 of the International Code in relation to the names of genera based upon erroneously determined species (*Opinion* supplementary to *Opinion* 65).

Opinion 169. On the type of the genus *Lycaeides* Hübner, [1819] (Class Insecta, Order Lepidoptera), a genus based upon an erroneously determined species.

Opinion 170. Need for the suspension of the rules for *Prosopis* Jurine, 1807 (Class Insecta, Order Hymenoptera) not at present established.

Opinion 171. Suspension of the rules for *Nymphidium* Fabricius, 1807 (Class Insecta, Order Lepidoptera).

Opinion 172. On the interpretation of Article 30 of the International Code in relation to the designation of the types of genera in abstracts and similar publications.

Opinion 173. On the type of the genus *Agriades* Hübner, [1819], and its synonym *Latiorina* Tutt, 1909 (Class Insecta, Order Lepidoptera), genera based upon erroneously determined species.

Opinion 174. On the status of the names *Ceraphron* Panzer, [1805], and *Ceraphron* Jurine, 1807 (Class Insecta, Order Hymenoptera).

Opinion 175. On the type of the genus *Polyommatus* Latreille, 1804 (Class Insecta, Order Lepidoptera), a genus based upon an erroneously determined species.

Opinion 176. On the type of *Conulinus* von Martens, 1895 (Class Gastropoda, Order Stylommatophora) (*Opinion* supplementary to *Opinion* 86).

Opinion 177. On the type of the genus *Euchloë* Hübner, [1819] (Class Insecta, Order Lepidoptera), a genus based upon an erroneously determined species.

Opinion 178. On the status of the names *Serphus* Schrank, 1780, and *Proctotrupes* Latreille, 1796 (Class Insecta, Order Hymenoptera).

Opinion 179. On the type of the genus *Princeps* Hübner, [1807] and its synonym *Orpheides* Hübner, [1819] (Class Insecta, Order Lepidoptera), genera based upon erroneously determined species.

Opinion 180. On the status of the names *Sphex* Linnaeus, 1758, and *Ammophila* Kirby, 1798 (Class Insecta, Order Hymenoptera).

Opinion 181. On the type of the genus *Carcharodus* Hübner, [1819] and its synonym *Spilothyrus* Duponchel, 1835 (Class Insecta, Order Lepidoptera), genera based upon erroneously determined species.

5. In addition two *Opinions* were rendered in 1943 on cases regarding which decisions were taken by the Commission in the period between their Lisbon

Session and the outbreak of war in 1939. The titles of the *Opinions* so rendered (*Opinions* 182 and 183) are as follows :—

Opinion 182. On the status of the names published by Gümbel, in 1863 for subdivisions of the genus *Clymenia* Münster, 1832 (Class Cephalopoda, Order Ammonoidea).

Opinion 183. On the principles to be observed in interpreting Article 8 of the International Code in relation to the form in which generic and subgeneric names are to be published.

III. *Declarations* rendered by the International Commission.

6. At their Session held during the meetings of the Ninth, Tenth, Eleventh and Twelfth International Congresses of Zoology, the International Commission adopted a number of important resolutions on general subjects affecting zoological nomenclature. These resolutions were embodied in the reports then submitted by the Commission to the Congresses concerned and were printed in the *Comptes Rendus* of those Congresses. In this way these resolutions were brought to the notice of the zoologists who attended the Congresses in question, but the fact that until now they have never been published elsewhere has led to their being overlooked by many zoologists.

7. Accordingly it was decided in 1943 to collect these resolutions and to publish them as *Declarations* rendered by the International Commission. In all there are 12 of these resolutions, all of which were rendered as *Declarations* during the year 1943. Of these, five (*Declarations* 1–5) were adopted by the International Commission at Monaco in 1913; three (*Declarations* 6–8) at Budapest in 1927; one (*Declaration* 9) at Padua in 1930; and three (*Declarations* 10–12) at Lisbon in 1935.

8. The titles of the 12 *Declarations* rendered by the International Commission are as follows :—

Declaration 1. Code of Ethics to be observed in the renaming of homonyms.

Declaration 2. On the importance of avoiding the issue of authors' reprints or separates in advance of the publication of the work or journal in which the paper in question is to be published.

Declaration 3. On the importance of giving a clear indication of the date of issue of every zoological publication.

Declaration 4. On the need for avoiding intemperate language in discussions on zoological nomenclature.

Declaration 5. On the grant to the International Commission on Zoological Nomenclature of plenary powers to suspend the rules in certain cases.

Declaration 6. On the need for new names to be clearly indicated as such on their first publication and on the need for avoiding the publication of names as new on more than one occasion.

Declaration 7. On the need for quoting bibliographical or other references for all names cited in zoological works.

Declaration 8. On the need for giving in the case of zoological journals a clear indication of the date of publication of each number or part.

Declaration 9. On the desirability of Universities including zoological nomenclature in their courses of general and systematic zoology.

Declaration 10. On the importance of forming specialist groups for the study of the nomenclature of particular divisions of the Animal Kingdom.

Declaration 11. On the need for a clear indication in the description of new genera and species of the Order and Family involved.

Declaration 12. On the question of breaches of the Code of Ethics (*Declaration* supplementary to *Declaration* 1).

IV. *Opinions* and *Declarations* published by the International Commission.

9. When in 1939 it was decided that the Commission should in future itself publish its *Opinions*, it was decided also that these should be published with consecutive pagination as Parts of Volume 2 of a work entitled *Opinions rendered by the International Commission on Zoological Nomenclature*. Volume 1 was reserved for the *Opinions* (*Opinions* 1–133), previously published by the Smithsonian Institution on behalf of the Commission, since for the most part these were already out of print. When, as explained above, it was decided in 1943 to issue as *Declarations* certain resolutions adopted by the Commission, the title of the above work was changed to *Opinions and Declarations rendered by the International Commission on Zoological Nomenclature*. The first Part published under this extended title was Part 12 of volume 2.

10. During the year 1943, the first eight Parts (pp. 1–64) of volume 1 were issued. These contained *Declarations* 1–8. It is intended as soon as possible to publish the remaining *Declaration* (*Declaration* 9) adopted in the period to which that volume relates. These will be followed by Parts containing *Opinions* 1–133 accompanied by explanatory notes.

11. At the time of the previous Report, five Parts of volume 2 had been published. These Parts contained *Opinions* 134–138 (pp. 1–34), all of which were concerned with matters on which decisions had been taken by the International Commission at their Session held at Lisbon in 1935. In 1943, twelve further Parts of volume 2 were published. These comprise *Opinions* 139–150 (pp. 35–168).

12. It has been decided to devote the whole of volume 2 to the publication of decisions taken by the Commission at Lisbon. Volume 2 will therefore be issued in fifty-two Parts and will comprise *Opinions* 134–181 (with pagination in Arabic numerals) and *Declarations* 10–12 (with pagination in Roman numerals), together with a concluding Part containing the index and title-page for the volume.

13. The decision to devote the whole of volume 2 to the Lisbon decisions has the advantage that it renders possible an immediate start with the publication of volume 3 containing the *Opinions* commencing with *Opinion* 182 which have been adopted by the International Commission since their Session held at Lisbon in 1935. Volumes 2 and 3 will be published concurrently, but it is proposed as quickly as possible to publish all the *Opinions* embodying the post-Lisbon decisions, so that the Commission may be able to publish all future *Opinions* immediately upon their adoption. This arrangement will be to the great convenience of zoologists and will remove the reproach regarding the delays that have occurred between the adoption of *Opinions* and their publication that has sometimes been levelled at the Commission in the past.

V. The Bulletin of Zoological Nomenclature.

14. The most important of all the developments in the year 1943 was the founding of the *Bulletin of Zoological Nomenclature* as the Official Organ of the International Commission. As explained by the President in Part 1 of the *Bulletin*,[2] the object of this journal is to provide a medium for the publication of :—

(a) proposals on zoological nomenclature submitted to the International Commission on Zoological Nomenclature for deliberation and decision;
(b) comments received from, and correspondence by the Secretary with, zoologists on proposals published in the *Bulletin* under (a) above; and

[2] See Jordan, 1943, *Bull. zool. Nomencl.* **1**: i–iii.

(c) papers on nomenclatorial implications of developments in taxonomic theory and practice.

15. The Commission are highly gratified at the favourable reception that has been accorded to the *Bulletin* by the zoological profession, as evidenced both by the subscriptions received and by the numerous letters which they have received from individual zoologists in many parts of the world.

16. During the year 1943, three Parts of the *Bulletin* were published. Part 1 (pp. i–xxvi) was mainly introductory and included an account of the functions and powers of the International Commission. Part 2 (pp. xxvii–xl) was concerned with the financial position of the Commission for the period up to 31st December 1942. Part 3 (pp. 1–86), which is by far the most important publication yet issued by the International Commission, contains the full official records of all the decisions taken by the Commission at their Lisbon Session. At the time of the issue of the Report for 1942, it was proposed that this Part should be published in Part 2 but in the course of 1943 it was decided to issue the financial statement as Part 2 and to issue this Part as Part 3.

17. Specialists are particularly requested to respond to the Commission's appeal for comments on all proposals published in the *Bulletin*. Such comments, whether for or against any such proposal, will be published in the *Bulletin* as soon as practicable after their receipt. In this way the fullest opportunity will be afforded to specialists to express their views on any question submitted to the Commission before a decision is taken thereon. At the same time the International Commission are anxious that there shall in future be no grounds for the criticism sometimes made in the past that its procedure is dilatory and that the period covered by the consideration of particular cases is unreasonably protracted. The International Commission accordingly invite specialists to co-operate with them to this end, by sending to the Secretary to the Commission any comments which they may wish to offer on particular proposals, *as soon as possible after the publication of those proposals in the Bulletin*. The International Commission hope that every specialist who reads in the *Bulletin* a proposal relating to a group in which he is concerned, will proceed as though he had received a letter from the Commission asking for his views on that proposal and that he will therefore immediately forward to the Commission any observations which he may wish to offer.

VI. The Official List of Generic Names in Zoology.

18. The International Commission attach great importance to the *Official List of Generic Names in Zoology*, believing that it provides a powerful means for securing stability in zoological nomenclature, particularly as regards Family names. For this purpose, the Commission would like to see inscribed on the *Official List* the names of the genera which are the types of the principal families in every Order. The Commission appeal to specialists to collaborate with them to secure this end.

19. The International Commission realise that, so long as the names already placed on the *Official List* remain scattered among the numerous *Opinions* by which they have from time to time been added to the *List*, no substantial progress is likely to be achieved in securing the object which the Commission have in view. Accordingly, in 1943 it was decided that the *Official List* should be published as soon as possible in book form. Very substantial progress has been made but the task is laborious and necessarily slow in view of the fact that

the various bibliographical references were omitted from many of the earlier *Opinions* containing additions to the *Official List*. In consequence, it has been necessary for the Secretary to the Commission himself to verify very large numbers of references involved and in many cases to consult specialists on points of particular difficulty. Nevertheless, the Commission hope that it may be possible to make a start with the printing of the *Official List* in the course of 1944.

20. The review of the literature involved in the preparation of the *Official List* for publication has disclosed a certain number of errors which will be corrected by the Commission at the first opportunity. In order to ensure that the *Official List* is as accurate as possible, any specialist who may be aware of an error in any entry in the *Official List* relating to his particular group is particularly requested at once to forward full details to the Secretary to the Commission.

VII. The personnel of the International Commission.

21. During the year under review, the International Commission has suffered a severe loss through the death of Dr. Leonhard Stejneger (U.S.A.), who had been a member of the Commission continuously for 46 years and at the time of his death was the last surviving member of the group of ten zoologists who were elected members of the Commission at Cambridge in 1897, when the membership of the Commission was enlarged from 5 to 15. The Commission deeply regret the passing of their distinguished colleague who had for so long played an active and valuable part in their deliberations and they mourn his death as that of an old friend. The Commission desire to take this opportunity of placing on record both their deep sense of the loss which they have sustained and their high appreciation of the services which Dr. Stejneger rendered, not only to the International Commission as a body but also to the development of those branches of zoology to the study of which he devoted his life.

22. During 1943 preliminary consultations were held with a view to bringing the membership of the Commission up to full strength by filling vacancies caused by death. It is hoped that the necessary arrangements will be completed early in 1944.

VIII. The financial position of the International Commission.

23. The present financial position is dealt with fully in the Report for the year 1943 now submitted by the Secretary to the Commission as Accounting Officer for the International Funds, but the International Commission feel that their present Report would be incomplete if they made no reference to the gratification with which they have observed during 1943 the increased sales of their *Opinions* and the substantial and growing number of orders for the *Bulletin*.

24. Finally, the International Commission desire to thank each and every one of the zoological institutions and individual zoologists who have responded to the Appeal issued in July 1943 (in Part 2 of the *Bulletin*) for subscriptions to their Special (Publications) Fund. The sum of £409 17*s.* 6*d.* received up to 31st December 1943, though falling short far of the total amount required to clear off all arrears of publications, is a most encouraging beginning and enables the International Commission to look back on 1943 with satisfaction and to look

forward to 1944 with confidence. The future outlook will, however, remain precarious until the Commission obtains the additional funds required to enable it to discharge its outstanding tasks.

SIGNED ON BEHALF OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

FRANCIS HEMMING

Secretary to the International Commission.

Secretariat of the Commission
At the British Museum (Natural History),
Cromwell Road, London, S.W.7.

22nd January, 1944.

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE : FINANCIAL REPORT FOR THE YEAR 1943

BY

Francis Hemming, Secretary to the International Commission on Zoological Nomenclature and Accounting Officer to the International Funds established by the Commission.

I. INTRODUCTORY.

I SUBMIT for the information of all concerned a statement of the Income and Expenditure of the several International Funds of the International Commission on Zoological Nomenclature, together with the Balance Sheet, in respect of the calendar year 1943. Once again the Commission have the pleasure of recording their thanks to Messrs. W. B. Keen & Co., Chartered Accountants (London), by whom these Accounts have been audited.

2. The situation before the Commission at the opening of 1943 was one of very great difficulty; on the one hand the cash in hand amounted only to £137 3*s*. 11*d*.; on the other hand, there were large arrears of work which could only be wiped off by the printing of outstanding *Opinions* and other publications at a cost far beyond the modest sum then available.

3. In these circumstances the accounts now presented must be regarded as extremely encouraging. Not only did the Commission publish 20 *Opinions* and *Declarations* during the period under review but they also established as their Official Organ a journal under the title of the *Bulletin of Zoological Nomenclature* of which they published the first three Parts.

4. That this highly satisfactory result was achieved was due to two main causes : first, the generous response accorded by zoological and other scientific institutions and by individual zoologists to the appeal for funds issued by the Commission in July 1943 (in Part 2 of the *Bulletin*[3]); second, the steady and rapid growth of the sales both of the *Opinions* published by the Commission and of the *Bulletin*.

II. DONATIONS RECEIVED (INTERNATIONAL FUND NO. 2).

5. Consequent upon the decision to launch a general appeal for funds, the Commission decided that their existing International Fund, which constituted their General Account, should in future be known as International Fund No. 1, and that all donations received in response to their Appeal should be paid into a separate Fund to be known as " International Fund No. 2 ".

6. In the period from 27th July 1943, the date on which the Appeal was published, up to 31st December 1943, the sums so presented to the Commission amounted to a total of £409 17*s*. 6*d*.

[3] See 1943, *Bull. zool. Nomencl.* **1**: xxxix–xl.

7. The individual subscriptions which together made up this sum are as follows :—

Appeal for contributions issued by the International Commission on Zoological Nomenclature.

First list of contributions.

	£	*s.*	*d.*
The Royal Society	200	0	0
British Association for the Advancement of Science	20	0	0
W. D. Hincks, Esq.	1	1	0
(Anon.) (per Lord Horder, G.C.V.O., M.D.)	100	0	0
Sheffield A. Neave, Esq., C.M.G., O.B.E., D.Sc.	10	0	0
The Zoological Society of Scotland	2	2	0
Miss R. M. Davenport	1	0	0
Dr. J. Brookes Knight	1	5	10
John Smart, Esq., Ph.D.	2	2	0
The Linnean Society of London	10	0	0
The Museum of Comparative Zoology, Harvard University	50	0	0
The American Ornithologists' Union	12	6	8
	£409	17	6

8. The International Commission tender their most grateful thanks to each and every one of the institutions and individual zoologists who have responded to their Appeal.

9. The whole of the sums received in response to the Commission's Appeal have been credited to International Fund No. 2.

III. INTERNATIONAL FUND No. 1 (GENERAL ACCOUNT).

(a) Income.

10. The sole sources of income for the Commission's General Account (International Fund No. 1) are (i) income arising from sales of publications and (ii) transfers from the Special (Publications) Fund (International Fund No. 2).

11. The total income of International Fund No. 1 in 1943 amounted to the sum of £570 6s. 6*d.* as compared with £312 12*s.* 8*d.* in the period ended 31st December 1942.

(i) *Income from sales of publications.*

12. Income from the sale of the Commission's *Opinions* in 1943 amounted to £136 1*s.* 4*d.* The year 1943 was the first year in the history of the Commission when any considerable number of its *Opinions* were placed on sale and direct comparison with previous years is therefore not possible. It is, however, extremely satisfactory to be able to record that during 1943 there was a substantial and progressive increase in the number of subscribers to the Commission's *Opinions*, every new subscription bringing with it an order for copies of the *Opinions* already published by the Commission.

13. It should be placed on record also that owing to the late date (9th December) in 1943 on which the last five *Opinions* (*Opinions* 149 and 150 and *Declarations* 6–8) were published, it was not possible to distribute copies of these *Opinions* to all subscribers before the close of the year. In consequence, the bulk of the income arising from the sale of these *Opinions* is not attributable to

1943 but will appear in the accounts for 1944. Moreover, the item in respect of expenditure on printing includes the expenditure on printing six further *Opinions* (*Opinions* 151 and 152, *Declarations* 9, 10 and 11 and the reissue of *Opinion* 1) which, it is hoped, will be published shortly. To this extent therefore the income from the sale of *Opinions* in 1943 is more satisfactory in relation to the expenditure incurred on printing than the figures would suggest.

14. When in May 1943 the Commission published the first Part of the *Bulletin of Zoological Nomenclature*, they realised that, owing to the impracticability in war conditions of giving adequate publicity to the founding of this journal, some time must elapse before the existence of the *Bulletin* could be made known to prospective subscribers. It is therefore very satisfactory that in the seven months following the issue of Part 1 of the *Bulletin*, income from the sale of this journal amounted to £109 5*s*. 2*d*. The cost of printing the three Parts published amounted to £178 5*s*. 10*d*. (of which £65 12*s*. 0*d*. was defrayed in 1942 and £112 13*s*. 10*d*. in 1943).

(ii) *Transfer from International Fund No.* 2 *to International Fund No.* 1.

15. By the end of 1943, sums amounting to £325 had been transferred from International Fund No. 2 (Special (Publications) Fund) to International Fund No. 1 (General Account). The unexpended balance in this Fund on 31st December 1943 amounted to £84 17*s*. 6*d*.

(b) Expenditure.

16. The total expenditure in 1943 from International Fund No. 1 (including a small allocation for immediately prospective expenditure on the printing of the *Official List of Generic Names in Zoology*) amounted to £439 10*s*. 2*d*. as compared with £175 8*s*. 9*d*. in the accounting period ended 31st December 1942.

(i) *The printing of the publications of the Commission.*

17. The main item of expenditure incurred by the Commission in 1943 was again in respect of the printing of the Commission's publications. Owing mainly to the great increase in the volume of output in the year under review but in part also to increased printing charges due to war conditions, expenditure under this head in 1943 greatly exceeded the corresponding expenditure in the period that ended on 31st December 1942.

18. Expenditure in 1943 on the printing of the *Opinions* and *Declarations* rendered by the Commission amounted to £246 14*s*. 9*d*. as compared with £67 9*s*. 7*d*. in the accounting period ended 31st December 1942. In the same period expenditure on the production of the *Bulletin of Zoological Nomenclature* amounted to £112 13*s*. 10*d*. as compared with £65 12*s*. 0*d*., the sum incurred in 1942.

(ii) *Provision for the publication of the "Official List of Generic Names in Zoology."*

19. As explained elsewhere,[4] the International Commission were so strongly impressed in 1943 by the desire among workers, not only in systematic zoology but also in allied sciences, for the early publication of the *Official List of Generic Names in Zoology*, that they decided, if possible, to make a start in 1944 with the printing of that work. The Commission accordingly decided in 1943 to make a small preliminary allocation of funds for this purpose. A special account

[4] See the Commission's Report on its work in 1943, paragraph 19.

was accordingly established under the title "'Official List' (Suspense) Account", into which was paid one half of the proceeds of the sales in 1943 of the *Bulletin of Zoological Nomenclature*. The sum so credited to this Account amounted therefore to £54 12*s*. 7*d*.

(iii) *Normal administrative expenses.*

20. Owing to the continued generosity of the Trustees of the British Museum (Natural History) in housing the Secretariat of the Commission at the Museum free of charge and of the Royal Entomological Society of London in permitting the Commission to use the Society's House at 41 Queen's Gate as the Publications Office of the Commission, it is fortunately possible to report that in 1943 (as in 1942) no expenditure was incurred by the Commission in respect of rent, heating or lighting.

21. By the kind permission of the Council of the Royal Entomological Society, Miss Edith Evans, a member of the staff of the Society, has continued during the year to act in her spare time as Publications Clerk to the Commission. During the year, the Commission gave her small honoraria as a mark of their great appreciation of the valuable services which she has rendered in handling the mail orders for the publications of the Commission in the period to 31st December 1942 and in the year 1943.

22. No expenditure was incurred in 1943 on either office equipment or the binding of records.

23. Expenditure on miscellaneous printing and stationery amounted to £8 11*s*. 0*d*. and on postage to £9 11*s*. 0*d*.

24. The total administrative expenditure in 1943 amounted to £25 9*s*. 0*d*. as contrasted with £16 3*s*. 2*d*. in the preceding accounting period.[5] This represents 7 per cent. of the total normal expenditure (*i.e.*, expenditure on the printing of the Commission's publications) as compared with 11 per cent. in the period ended 31st December 1942. Great care has been taken to keep administrative expenses at the lowest possible level and the reduction in 1943 of the ratio of these expenses to those incurred on the printing of the Commission's publications may be regarded as gratifying.

(c) Excess of income over expenditure.

25. The income of International Fund No. 1 in 1943 exceeded expenditure by £130 16*s*. 4*d*. as compared with £137 3*s*. 11*d*., the corresponding figure for the period ended 31st December 1942.

IV. BALANCE SHEET.

26. The balance sheet calls for little comment. Unpaid bills amounted to £112 14*s*. 8*d*. but these were entirely in respect of the estimated cost of printing the last instalments of the Commission's publications for the year 1943, accounts for which had not been rendered to the Commission by their printers by 31st December 1943. On the other side of the account, debts owing to the Commission on 31st December 1943, amounting to £111 19*s*. 8*d*., were entirely in respect of recent sales of publications, the purchasers of which had not had time by the end of 1943 to remit the sums due by them to the Commission.

[5] For the purpose of this comparison account has not been taken of the "extraordinary expenditure" incurred in the period ended 31st December 1942 on the purchase of office equipment and the binding of records.

V. THE FUTURE OUTLOOK.

27. The year 1943 was one of outstanding achievement so far as concerns the scope and variety of the publications issued by the Commission. That the Commission possessed the resources required to secure this successful result is due to the generous and unstinted support given by zoological institutions, by systematic zoologists and by workers in other fields of science.

28. Very substantial progress was made by the Commission in 1943 in wiping off arrears of work but the tasks ahead are numerous and important and their discharge will involve expenditure on a scale far beyond the present resources of the Commission. All who have at heart the orderly development of zoological nomenclature as an international instrument for the advancement of taxonomy will therefore continue to regard the situation with disquiet until, by the receipt of further financial contributions, the International Commission is assured of being able to carry through the tasks entrusted to it.

(signed) FRANCIS HEMMING

Secretary to the International Commission on Zoological Nomenclature and Accounting Officer to the International Funds established by the Commission.

Secretariat of the Commission,
At the British Museum (Natural History),
Cromwell Road, London, S.W. 7.

22nd January, 1944.

THE INTERNATIONAL COMMISSION

INCOME AND EXPENDITURE ACCOUNT FOR

International

INCOME.

	£ s. d.	£ s. d.
TO Sales of Publications :—		
Opinions and *Declarations*	136 1 4	
Bulletin of Zoological Nomenclature	109 5 2	
		245 6 6
„ Transfer from International Fund No. 2		325 0 0
		£570 6 6

International

	£ s. d.
TO Donations	409 17 6
	£409 17 6

"Official List"

	£ s. d.
TO Transfer from International Fund No. 1	54 12 7

ON ZOOLOGICAL NOMENCLATURE

THE YEAR ENDED 31st DECEMBER, 1943.

Fund No. 1.

EXPENDITURE.

	£ s. d.	£ s. d.
BY Administration Expenditure :—		
Honorarium to Clerk of Accounts, 1942	2 2 0	
,, ,, ,, ,, 1943	5 5 0	
Postage	9 11 0	
Miscellaneous Printing and Stationery	8 11 0	
		25 9 0
,, Cost of Printing Publications :—		
Opinions and *Declarations*	246 14 9	
Bulletin of Zoological Nomenclature	112 13 10	
		359 8 7
,, Transfer to " Official List " (Suspense Account)		54 12 7
,, Excess of Income over Expenditure carried to Balance Sheet		130 16 4
		£570 6 6

Fund No. 2.

	£ s. d.
BY Transfer to International Fund No. 1	325 0 0
,, Excess of Income over Expenditure carried to Balance Sheet	84 17 6
	£409 17 6

Suspense Account.

	£ s. d.
BY Excess of Income over Expenditure carried to Balance Sheet	54 12 7

BALANCE SHEET,

LIABILITIES.

	£	s.	d.	£	s.	d.
SUNDRY CREDITORS				112	14	8
EXCESS OF ASSETS OVER LIABILITIES :—						
INTERNATIONAL FUND No. 1	£	s.	d.			
As at 31st December, 1942	137	3	11			
Add Excess of Income over Expenditure for Year to date	130	16	4			
				268	0	3
INTERNATIONAL FUND No. 2—						
Excess of Income over Expenditure for Year to date .				84	17	6
" OFFICIAL LIST " Suspense Account—						
Excess of Income over Expenditure for Year to date .				54	12	7
						407 10 4
						£520 5 0

(signed) FRANCIS HEMMING,

Secretary to the International Commission on Zoological Nomenclature and Accounting Officer to the International Funds.

We have examined the above Income and Expenditure Accounts and Balance Sheet with the books and vouchers of the Commission and certify same to be in accordance therewith. We have verified the balance at the Bank.

(signed) W. B. KEEN & CO.
Chartered Accountants.

224, Regent Street,
LONDON, W. 1.

22*nd January*, 1944.

31st DECEMBER, 1943.

ASSETS.

	£	*s.*	*d.*
SUNDRY DEBTORS for Publications	111	19	8
CASH AT BANK	408	5	4
(Stock of Publications not valued)		—	
	£520	5	0

PERSONNEL OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Election of four Commissioners.

The following elections are announced :—

To be Commissioners :—

Class 1952

James Chester BRADLEY, Professor of Entomology, New York State College of Agriculture at Cornell University, Cornell University Agricultural Experiments Station, Ithaca, New York, U.S.A., *vice* the late Commissioner Witmer STONE, Emeritus Curator of the Department of Ornithology, The Academy of Natural Sciences of Philadelphia, Pa., U.S.A. (28th March 1944).

Harold E. VOKES, United States Geological Survey, Department of the Interior, Washington, D.C., U.S.A., *vice* the late Commissioner Leonhard STEJNEGER, United States National Museum, Washington, D.C., U.S.A. (23rd April 1944).

Class 1949

Joseph PEARSON, Director, Tasmanian Museum and Art Gallery, Hobart, Tasmania, *vice* the late Commissioner Frederick CHAPMAN, Melbourne, Australia (26th June 1944).

Class 1946

Norman R. STOLL, Department of Animal and Plant Pathology, Rockefeller Institute of Medical Research, Princeton, New Jersey, U.S.A., *vice* the late Commissioner Charles Wardell STILES, United States National Museum, Washington, D.C., U.S.A. (28th June 1944).

Signed on behalf of the International Commission on Zoological Nomenclature,

FRANCIS HEMMING

Secretary to the International Commission.

Secretariat of the Commission,
At the British Museum (Natural History),
Cromwell Road, London, S.W.7.

28th June 1944.

CONTRIBUTIONS RECEIVED UP TO 30TH JUNE, 1944, IN RESPONSE TO THE APPEAL FOR FUNDS ISSUED BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE.

Second list of contributions.

	£	*s.*	*d.*
The British Association for the Advancement of Science (second contribution)	20	0	0
Dr. Hubert G. Schenck and Dr. Philip W. Reinhart	4	18	9
The Geological Society of London	10	0	0
The Commonwealth Council for Scientific and Industrial Research, Melbourne, Australia	20	0	0
The Zoological Society of London	50	0	0
The Malacological Society of London	1	0	0
The London School of Hygiene and Tropical Medicine	3	3	0
The Royal Society (second contribution)	200	0	0
The New York Entomological Society	24	14	4
The Royal Society of Medicine	5	0	0
The Royal Entomological Society of London	25	0	0
	£363	16	1

Total so far received.

	£	*s.*	*d.*
First List (see p. l)	409	17	6
Second List	363	16	1
	£773	13	7

	£	*s.*	*d.*
Amount required to complete Fund of £1800 (see 1943, *Bull. zool. Nomencl.* **1** : xxxix–xl).	1026	6	5

APPEAL FOR FUNDS BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

The renewal of scientific activity in many fields, which will follow the end of the war, will inevitably bring to light many pressing problems of zoological nomenclature, which, unless promptly dealt with, will act as a drag on the further advance of knowledge. The International Commission on Zoological Nomenclature, as the body charged with the duty of dealing with such problems, is most anxious to play its part by dealing promptly with all applications then submitted to them for decision.

2. If this is to be achieved, it is essential that the International Commission should be free to devote the whole of their energy and resources to this task, untrammelled by arrears of work. It was with this end in view that in July 1943 the Commission issued an Appeal (Bull. zool. Nomencl. 1 : xxxix–xl) for the funds required to enable them to discharge all outstanding tasks.

3. The International Commission then estimated that for this purpose a total sum of £1,800 was required. Towards this amount, donations totalling £773 13s. 7d. have now been received, leaving a balance of £1,026 6s. 5d. still to be obtained.

4. In order that there may be no hold-up in their work, the International Commission most urgently appeal for additional contributions to their Special (Publications) Fund. Contributions of any amount, however small, will be most gratefully received.

5. Contributions should be sent to the International Commission at their Publications Office, 41, Queen's Gate, London, S.W.7. Bankers' drafts, cheques, etc., should be made payable to "The International Commission on Zoological Nomenclature or Order" and crossed "Account payee. Coutts & Co."

Signed on behalf of the International Commission on Zoological Nomenclature,

FRANCIS HEMMING

Secretary to the International Commission.

International Commission on Zoological Nomenclature,
Publications Office,
41, Queen's Gate, London, S.W.7.

30th June 1944.

INSTRUCTIONS TO AUTHORS

The International Commission on Zoological Nomenclature has been criticised at times for the delays that have occurred in the consideration of particular cases. In part these delays have been due to faults in the organisation and procedure of the Commission and, in so far as this has been the case, steps have been, and are being, taken to prevent their recurrence. To a considerable extent, however, these delays have been due to the incomplete and inaccurate way in which proposals have been submitted to the Commission for consideration.

2. Zoologists are accordingly invited to co-operate with the Commission by complying strictly with the following instructions when submitting proposals for the consideration of the Commission and in consequence when submitting papers for publication in the *Bulletin*. By doing so zoologists will:—

(a) avoid unnecessary delays in securing decisions on questions submitted; and
(b) reduce to a minimum the expenditure incurred by the Commission in dealing with applications submitted.

3. The instructions in question are the following:—

(1) Proposals should be in the form of papers and should not be raised incidentally in course of correspondence; these papers should be as short and concise as is consistent with the clear presentation of the problem to be considered.
(2) Wherever possible papers should be typewritten and, whether typewritten or in manuscript, should be on one side of the paper only.
(3) The printing of papers in foreign languages adds greatly to their cost. For so long therefore as the present financial difficulties of the Commission persist, zoologists are asked to submit all manuscripts in English.
(4) Each application should be confined to a single subject except where the status of two or more names forms part of a single problem.
(5) Where a proposal refers to status of a particular name, a clear indication should be given, either in the title or at the beginning of the paper, of the Class and Order to which the genus or species belongs. Wherever possible the name of the family should be added.
(6) The full bibliographical reference should be given for every name, wherever generic or specific, cited.
(7) In the case of generic names the type species should be clearly stated and a reference given to the circumstances in which that species became the type, *i.e.*:—
  (i) whether so designated at the time of original publication: or
  (ii) whether designated at a later date under Article 30 of the Code, and, if so, by what author it was so designated. (In these cases the full bibliographical reference should be given to the place where the species in question was designated as the type.)
(8) Specific names should be cited in the same combination of generic and trivial names as that employed by the original author when first naming the species.
(9) A full bibliographical reference consists of:—
  (a) the generic or specific name in question;
  (b) the name of its author;
  (c) the date of its publication;
  (d) the title of the work in which the name was so published;
  (e) where the work in question consists of more than one volume, the volume number;
  (f) the page number.
(10) The titles of journals should be abbreviated in the form shown in the "World List of Scientific Periodicals," ed. 2, 1934; the names of separate works should be cited in full.
(11) Volume numbers should be cited in Arabic (and not in Roman) numerals.
(12) Page references should be cited in accordance with the Harvard system of notation, *i.e.*, the page number preceded by a colon should follow immediately after the title of the work, or, where that work is in more than one volume, the volume number. The word "page" and the abbreviation "p." should not be used.

4. Priority of treatment will in all cases be given to proposals prepared in accordance with the foregoing instructions.

BY ORDER OF THE INTERNATIONAL COMMISSION
ON ZOOLOGICAL NOMENCLATURE

FRANCIS HEMMING
Secretary to the International Commission.

Secretariat of the Commission,
At the British Museum (Natural History),
Cromwell Road, London, S.W. 7.
May, 1943.

THE PUBLICATIONS OF THE COMMISSION

(obtainable at the Publications Office of the Commission at 41, *Queen's Gate, London, S.W.*7.)

Bulletin of Zoological Nomenclature.

This journal has been established by the International Commission as their Official Organ in order to provide a medium for the publication of:—

(a) proposals on zoological nomenclature submitted to the International Commission for deliberation and decision;
(b) comments received from, and correspondence by the Secretary with, zoologists on proposals published in the *Bulletin* under (a) above; and
(c) papers on nomenclatorial implications of developments in taxonomic theory and practice.

The *Bulletin* was established in 1943, in which year three Parts were published. Part 4 has been published in 1944 and Parts 5 and 6 are in the press.

Opinions and Declarations rendered by the International Commission on Zoological Nomenclature.

The above work is being published in three volumes concurrently, namely:—

VOLUME 1. This volume will contain *Declarations* 1–9 (which have never previously been published) and *Opinions* 1–133 (the original issue of which is now out of print). Parts 1–12 (containing *Declarations* 1–9 and *Opinions* 1–3) have now been published. Parts 13–15, containing *Opinions* 4–6, are in the press and will be published shortly.

VOLUME 2. This volume will be issued in 52 Parts, comprising all the decisions taken by the International Commission at their meeting at Lisbon in 1935, namely *Declarations* 10–12 (with Roman pagination) and *Opinions* 134–181 (with Arabic pagination). Part 52 will contain the index and title page of the volume. Parts 1–25, containing *Declarations* 10–12 and *Opinions* 134–155, have now been published. Part 26, containing *Opinion* 156, is in the press and will be published shortly.

VOLUME 3. This volume, which will commence with *Opinion* 182, will contain the *Opinions* adopted by the International Commission since their meeting at Lisbon in 1935. Parts 1–4, containing *Opinions* 182–185, are in the press and will be published shortly.

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